

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P630642

Luminaire Tested: GWS-SA1E-722-U-T4W-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630642  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-722-U-T4W-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

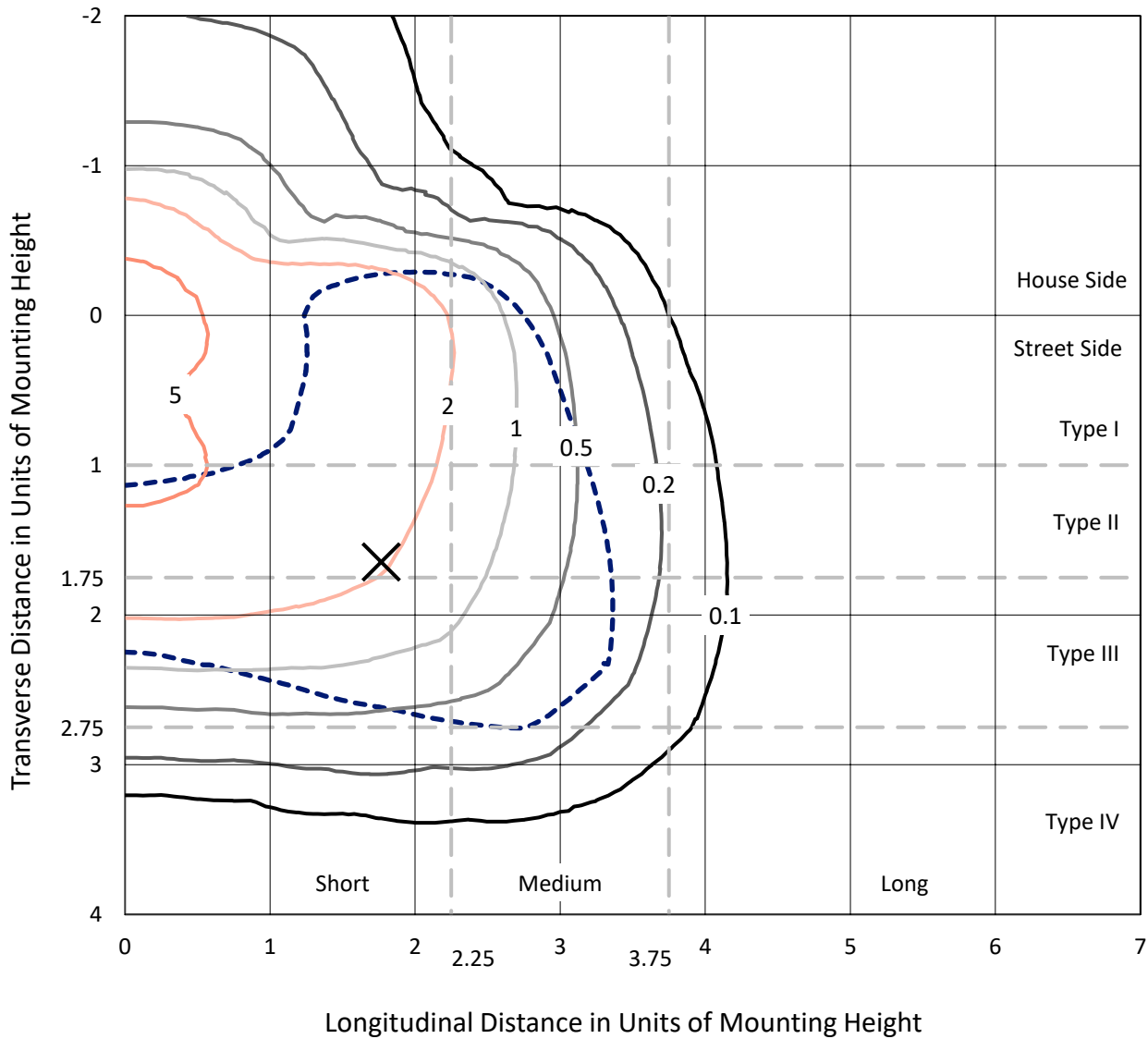
Lumens per Lamp: N/A  
Luminaire Lumens: 5533.8 lumens  
Efficiency: N/A  
Efficacy: 94.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

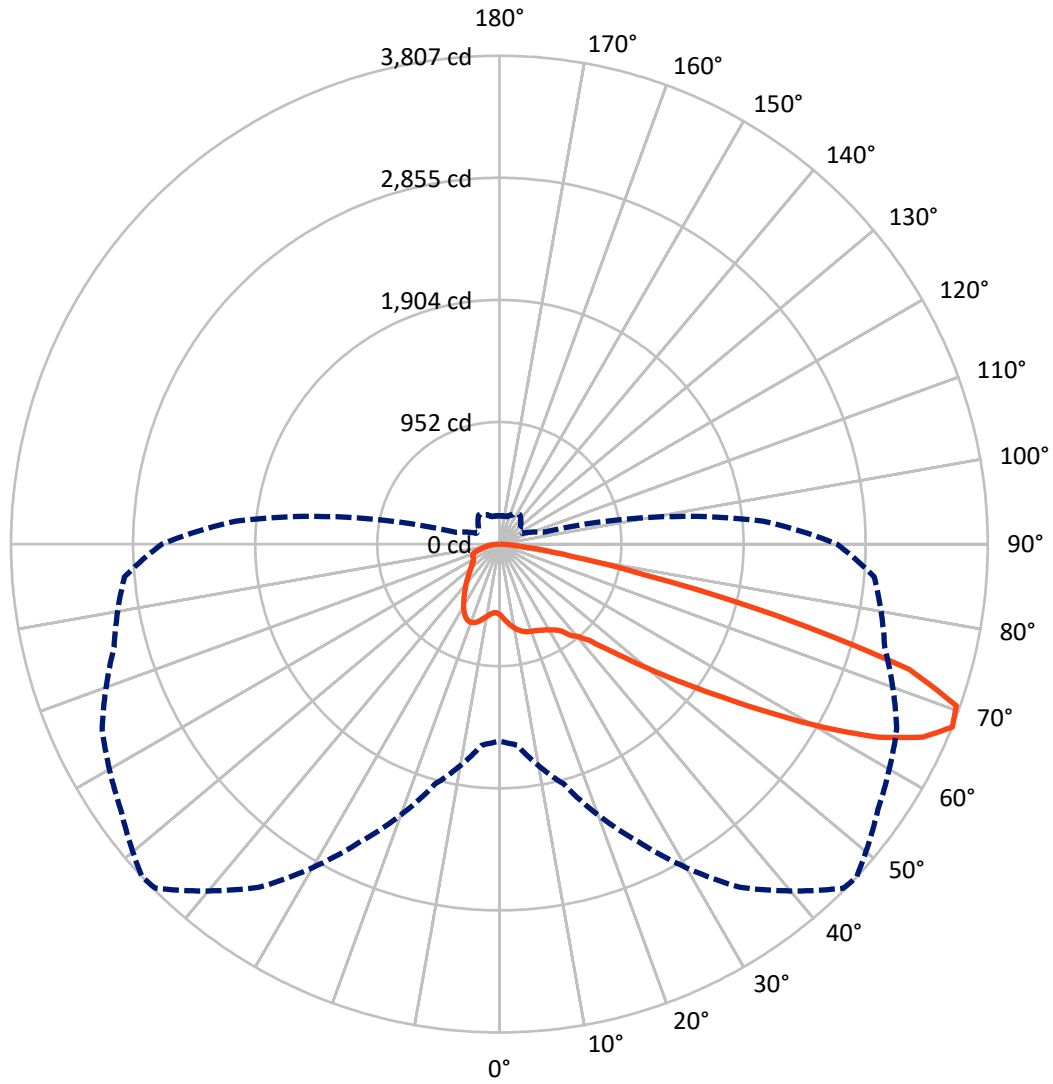
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1261.2	0.0	1261.2
	% Fixture	22.8	0.0	22.8
<b>Street Side</b>	Lumens	4272.6	0.0	4272.6
	% Fixture	77.2	0.0	77.2
<b>Total</b>	Lumens	5533.8	0.0	5533.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.1	1.0
10°-20°	186.8	3.4
20°-30°	317.5	5.7
30°-40°	465.1	8.4
40°-50°	708.6	12.8
50°-60°	1267.9	22.9
60°-70°	1691.8	30.6
70°-80°	765.1	13.8
80°-90°	74.9	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5533.8	100.0
0°-180°	5533.8	100.0

**Coefficient of Utilization**



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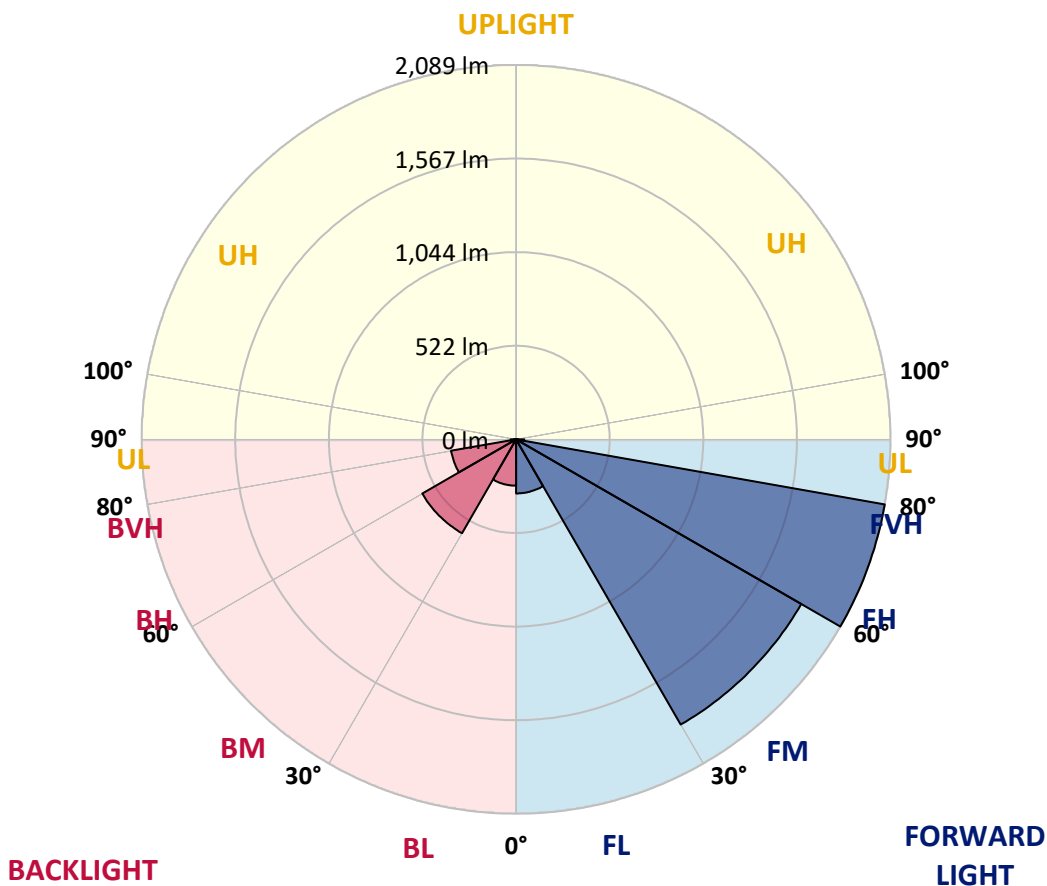
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	301.8	5.5			
FM (30°-60°)	1837.3	33.2			
FH (60°-80°)	2088.9	37.7			G2/5000
FVH (80°-90°)	44.6	0.8			G1/100
BL (0°-30°)	258.6	4.7	B1/500		
BM (30°-60°)	604.3	10.9	B1/1000		
BH (60°-80°)	368.0	6.6	B1/500		G1/500
BVH (80°-90°)	30.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6
2.5°	585.0	587.0	586.6	583.4	581.4	577.8	578.2	572.6	564.2	558.6	552.2
5°	636.6	639.8	635.8	630.6	622.6	611.0	609.8	597.0	581.0	569.8	558.2
7.5°	681.4	683.4	678.6	669.8	658.2	642.6	639.8	624.6	604.6	587.0	570.2
10°	716.2	718.6	712.2	700.6	685.4	669.8	667.8	652.2	631.0	610.2	589.0
12.5°	745.8	746.6	739.8	724.2	707.8	691.8	689.8	675.4	655.8	634.6	611.4
15°	763.0	763.4	755.0	737.8	722.2	708.2	707.0	694.6	676.6	656.6	631.8
17.5°	761.8	762.6	756.6	741.4	727.8	719.4	718.2	710.2	696.2	678.2	653.4
20°	747.0	747.8	743.8	733.8	726.6	724.2	724.6	722.2	713.8	699.0	673.8
22.5°	735.4	736.6	733.0	725.8	725.0	730.6	731.8	733.0	729.0	715.8	691.4
25°	741.0	743.0	737.4	727.4	729.0	741.4	743.8	747.8	744.6	733.4	712.2
27.5°	779.8	781.0	766.6	746.2	741.4	754.6	758.2	764.6	762.2	751.8	735.4
30°	869.9	869.1	838.3	788.3	768.2	773.4	776.2	785.5	786.3	779.4	763.8
32.5°	996.7	992.7	945.1	865.5	807.5	794.7	797.9	810.3	819.5	812.3	791.1
35°	1130.8	1127.2	1074.7	981.5	879.9	835.5	831.9	841.5	855.5	835.5	805.1
37.5°	1258.4	1252.8	1199.2	1083.9	969.1	907.1	901.9	892.3	883.9	845.5	822.3
40°	1400.0	1393.6	1346.8	1216.4	1067.5	961.9	948.7	910.7	903.1	878.7	867.1
42.5°	1551.3	1551.3	1512.5	1384.0	1186.4	1040.3	1023.1	965.9	973.9	957.9	944.3
45°	1702.5	1706.9	1676.1	1552.9	1345.2	1188.4	1160.8	1079.5	1098.7	1091.5	1084.7
47.5°	1831.4	1839.8	1833.8	1725.3	1539.7	1368.4	1326.4	1242.0	1283.2	1300.4	1319.6
50°	1970.2	1979.4	1973.4	1930.6	1767.4	1586.5	1548.9	1461.7	1532.5	1584.1	1646.9
52.5°	2176.3	2189.5	2139.5	2123.1	2043.9	1834.2	1800.6	1701.3	1829.8	1915.4	2055.5
55°	2350.3	2349.9	2332.3	2370.0	2340.7	2137.1	2099.9	2009.8	2173.9	2264.7	2469.6
57.5°	2431.2	2440.8	2501.2	2607.6	2666.0	2507.2	2471.6	2379.6	2543.2	2590.4	2811.7
60°	2472.8	2484.8	2601.6	2812.1	2969.3	2911.3	2897.3	2780.1	2872.1	2866.5	3100.2
62.5°	2414.4	2438.4	2626.0	2905.7	3185.8	3317.5	3313.1	3135.8	3151.8	3097.0	3279.0
65°	2146.3	2172.3	2466.8	2858.9	3309.5	3626.4	3627.6	3457.9	3366.7	3209.0	3249.0
67.5°	1534.9	1572.1	1936.2	2558.0	3265.8	3793.2	3807.2	3603.9	3417.1	3109.8	2933.7
70°	836.7	863.9	1149.2	1859.4	2872.9	3753.2	3779.2	3533.5	3194.6	2690.1	2258.3
72.5°	380.1	388.9	534.6	1020.3	1962.6	3230.6	3339.5	3153.4	2623.6	1987.0	1436.1
75°	174.1	178.1	232.9	488.2	1025.5	2161.9	2238.3	2348.7	1825.8	1254.8	748.6
77.5°	109.2	110.4	132.4	223.3	511.4	1079.1	1159.6	1398.4	1069.1	621.0	312.9
80°	64.4	65.6	82.4	120.8	240.1	493.8	570.2	553.0	502.6	268.1	142.4
82.5°	32.4	33.6	47.6	68.8	130.8	196.5	231.3	232.5	187.3	145.2	80.4
85°	11.6	12.0	15.6	27.2	55.6	64.8	72.4	88.4	91.6	84.4	38.8
87.5°	0.0	0.0	0.4	0.8	1.6	6.4	6.8	12.8	26.8	30.0	15.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6
2.5°	550.2	544.2	542.2	540.2	537.0	535.8	533.4	531.0	531.0	528.6	527.4
5°	553.0	545.0	539.8	537.4	535.4	536.6	536.6	537.4	540.2	538.6	539.4
7.5°	563.0	553.8	546.6	544.6	544.6	549.4	552.6	556.6	561.8	562.6	562.6
10°	580.6	569.8	562.2	561.0	563.0	569.8	574.6	579.4	585.8	586.2	587.0
12.5°	599.8	589.0	581.4	583.0	585.0	593.8	599.0	603.0	609.4	609.4	609.0
15°	619.8	607.8	601.4	604.6	610.6	620.6	621.4	621.8	625.0	624.2	623.8
17.5°	640.6	627.8	623.0	627.8	634.2	639.0	635.0	629.4	628.2	626.6	625.8
20°	661.0	647.8	645.8	649.4	651.4	647.4	635.0	624.6	619.8	617.4	616.6
22.5°	678.6	667.4	666.2	666.2	656.2	642.2	623.8	609.8	603.4	600.2	599.4
25°	699.4	689.0	687.0	676.2	650.6	625.0	600.2	587.4	582.2	580.6	581.0
27.5°	723.8	716.6	710.2	679.4	634.6	594.6	566.6	561.0	559.0	561.0	562.2
30°	753.8	746.6	732.2	675.4	609.0	555.0	528.2	527.8	533.8	539.0	539.8
32.5°	778.2	775.0	751.4	662.6	573.0	511.4	488.6	490.2	501.0	508.2	509.4
35°	797.5	802.7	767.4	641.4	530.2	470.1	452.1	452.9	458.9	468.9	469.3
37.5°	824.7	842.3	781.8	609.0	481.0	434.5	418.1	412.1	411.3	414.1	414.9
40°	879.5	905.9	792.3	561.8	433.3	402.5	384.1	372.5	362.5	354.9	352.5
42.5°	962.3	992.7	798.3	504.6	390.9	370.9	350.1	335.3	317.7	301.7	296.1
45°	1114.4	1124.4	798.3	443.7	353.3	341.3	320.5	302.9	280.5	261.7	257.7
47.5°	1357.6	1325.6	799.1	384.9	320.1	315.3	297.3	277.3	252.5	236.9	234.5
50°	1724.1	1611.7	815.5	336.1	292.5	293.3	280.1	258.1	235.7	224.1	222.1
52.5°	2139.5	1964.2	859.5	300.1	269.3	275.3	268.1	246.9	226.9	216.9	214.9
55°	2530.0	2288.3	897.1	274.5	249.7	260.1	259.7	240.1	222.1	212.1	210.9
57.5°	2862.1	2510.4	891.5	253.7	232.9	246.1	252.1	235.7	218.9	210.5	209.3
60°	3068.6	2628.0	811.9	234.5	220.1	236.1	247.7	234.5	220.5	218.5	218.9
62.5°	3158.2	2606.4	659.0	220.1	211.7	231.3	252.5	242.9	235.3	240.1	242.9
65°	3019.0	2420.8	485.0	209.3	203.7	232.5	263.7	256.1	235.3	238.5	239.7
67.5°	2632.4	2060.7	350.5	198.5	193.7	236.1	279.7	254.1	221.7	221.7	219.3
70°	1897.0	1482.1	254.5	187.7	183.7	230.9	280.5	240.5	206.1	204.9	198.9
72.5°	1141.6	874.3	198.5	175.7	168.5	204.9	262.9	224.5	190.9	180.9	173.7
75°	593.0	438.1	166.5	162.5	144.4	173.7	240.5	199.7	163.3	154.4	150.4
77.5°	254.1	204.9	142.8	144.8	120.0	146.0	194.1	172.9	144.8	133.6	130.0
80°	125.2	116.4	112.8	116.0	96.0	112.8	167.3	151.2	122.8	110.0	104.8
82.5°	71.6	68.0	81.2	82.4	68.4	94.4	141.2	128.0	101.6	87.6	79.2
85°	33.2	35.6	49.2	49.6	42.4	64.8	92.4	72.0	54.0	44.8	42.8
87.5°	13.2	15.6	21.6	21.2	12.4	12.0	8.0	4.4	3.6	3.2	2.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)